

What is claimed is:

1 1. A compact cellular phone in which a pair of housings
2 formed in an approximate flat shape is foldably connected by using
3 a hinge, said compact cellular phone comprising:

4 two planar antennas provided to said pair of housings,
5 respectively, so that a highly sensitive surface of each of said
6 two planar antennas is directed outward in a state in which said
7 compact cellular phone is closed.

1 2. The compact cellular phone according to claim 1, wherein
2 an interval between said two planar antennas provided to said pair
3 of housings is equal to or wider than a width of a human palm in
4 a state in which said compact cellular phone is open.

1 3. The compact cellular phone according to claim 1, wherein
2 said two planar antennas are provided outermost inside said pair
3 of housings, respectively, in a state in which said compact
4 cellular phone is closed.

1 4. The compact cellular phone according to claim 1, wherein
2 said two planar antennas are two planar inverse F-type antennas
3 or two patch antennas.

1 5. The compact cellular phone according to claim 1, wherein
2 when said compact cellular phone is used while being closed in
3 a waiting state, both of said two planar antennas or either one
4 of said two planar antennas is used to send or receive, and when
5 said compact cellular phone is used while being open in a

6 communication state, one of said two planar antennas, which has
7 the better transmission state, is selected to send and receive.

1 6. The compact cellular phone according to claim 5, wherein
2 by detecting and evaluating an impedance change and a physical
3 quantity of a reflective wave caused by said impedance change on
4 an electric-power transmission path provided inside said compact
5 cellular phone, one of said two planar antennas, which has
6 preferred transmission characteristics, is determined, selected,
7 and then used.

1 7. The compact cellular phone according to claim 2,
2 wherein said two planar antennas are provided outermost inside
3 said pair of housings, respectively, in a state in which said
4 compact cellular phone is closed.

1 8. The compact cellular phone according to claim 2, wherein
2 said two planar antennas are two planar inverse F-type antennas
3 or two patch antennas.

1 9. The compact cellular phone according to claim 2, wherein
2 when said compact cellular phone is used while being closed in
3 a waiting state, both of said two planar antennas or either one
4 of said two planar antennas is used to send or receive, and when
5 said compact cellular phone is used while being open in a
6 communication state, one of said two planar antennas, which has
7 the better transmission state, is selected to send and receive.

1 10. The compact cellular phone according to claim 9,

2 wherein by detecting and evaluating an impedance change and a
3 physical quantity of a reflective wave caused by said impedance
4 change on an electric-power transmission path provided inside
5 said compact cellular phone, one of said two planar antennas,
6 which has preferred transmission characteristics, is determined,
7 selected, and then used.